

Amendments to the Specification and Abstract

In the Specification:

Before paragraph [0001] please delete the heading "Specification".

Please replace paragraph [0001] with the following rewritten paragraph:

[0001] The present invention relates to a method ~~of the type specified in the preamble of Claim 1~~ for transmitting measured data from a measuring computer to a control computer of a measuring system, ~~and to a device according to Claim 13 for carrying out the method, the measuring computer and the control computer being interconnected via a telecommunications network.~~

Before paragraph [0002] please delete insert the heading --BACKGROUND--.

Before paragraph [0009], insert the heading --SUMMARY OF THE INVENTION--.

Please replace paragraph [0013] with the following rewritten paragraph:

[0013] It is an object of the present invention to ~~further develop~~ provide a method for transmitting measured data from a measuring computer to a control computer of a measuring system in such a manner that, first of all, the data volume is reduced and, secondly, all relevant information is nevertheless available to the user, while avoiding the above-mentioned disadvantages.

Before paragraph [0014], please insert new paragraphs [0013.1] and [0013.2] as follows:

--[0013.1] The present invention provides a method for transmitting measured information from a measuring computer to a control computer of a measuring system, the measuring computer and the control computer being interconnected via a telecommunications network. The method includes combining measured data into characteristic values having a lower volume than the

measured data; and transmitting the characteristic values from the measuring computer to the control computer.

[0013.2] The present invention also provides a measuring system including a control computer and a measuring computer interconnected with the control computer via a telecommunications network. The measuring computer combining measured data into characteristic values having a lower volume than the measured data, and transmitting the characteristic values to the control computer.--.

Please delete paragraphs [0014] and [0015].

Please replace paragraph [0016] with the following rewritten paragraph:

[0016] The present invention ~~is based on~~ includes the discovery that the volume of measured data can be reduced by aggregating measured data over a certain time interval.

Please delete paragraph [0028].

Before paragraph [0032], please insert the heading --BRIEF DESCRIPTION OF THE DRAWINGS--.

Please replace paragraph [0032] with the following rewritten paragraph:

[0032] Further advantages, features and possible uses of the present invention for transmitting measured data from a measuring computer to a control computer of a measuring system will become apparent from the following description in conjunction with ~~the exemplary embodiment~~ embodiments shown in the ~~drawing~~ drawings.

Please delete paragraph [0033].

Please replace paragraph [0034] with the following rewritten paragraph:

[0034] ~~In the drawing,~~

Figure 1 is a schematic representation of a telecommunications network including a plurality of measuring computers having different time sources for carrying out the method according to the present invention; and

Figure 2 schematically shows the combining of measured data into characteristic values in a time interval.

Before paragraph [0035], please insert the heading --DETAILED DESCRIPTION--.

Please replace paragraph [0036] with the following rewritten paragraph:

[0036] Switching exchange 12 is assigned a first measuring computer 28. To receive signals emitted by a satellite system (GPS) including a plurality of satellites 30, first measuring computer 28 has a GPS antenna 32 and a GPS map (~~not explicitly shown here~~) for processing the received signals. GPS antenna 32 and the GPS map, ~~which is not explicitly shown~~, together form the local GPS receiver of first measuring computer 28 required to receive the GPS signals.

Please replace paragraph [0037] with the following rewritten paragraph:

[0037] A second measuring computer 36 connected to the switching device 16 also has a GPS antenna 38 and a local clock 40. The local GPS receiver of second measuring computer 36 required to receive the GPS signals is, in turn, made up of GPS antenna 38 and a GPS map, which is integrated in second measuring computer 36 ~~but not shown here~~.

Please replace paragraph [0038] with the following rewritten paragraph:

[0038] Corresponding peripheral devices, namely a GPS antenna 42 and a local clock 44, are associated with a third measuring computer 46 connected to switching device 20. Here too, a